

Amendments to the Claims

Please cancel Claims 1, 2, 5, 6 and 7. Please amend Claims 3, 4, and 8. Please add new Claims 9, 10, 11, 12, 13, 14, 15, 16 and 17. The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

1.- 2. (Canceled)

3. (Currently Amended) In a wireless communication system in which remote subscriber units are located in cells, and at least two cells are located adjacent one another, each cell having a base station unit that coordinates communication with remote units located within its respective cell, a method comprising the steps of:

A2 in an operating base station, determining the existence of communications occurring in adjacent cells;

A method as in claim 2, wherein receiving, by the operating base station, receives a report of an expected time of low interference ~~transmissions~~ communications from an adjacent base station; and

scheduling transmission of high interference communications associated with a subscriber unit in the cell associated with the operating base station at the expected time of low interference communications in the adjacent cell.

4. (Currently Amended) A method as in claim [[2]]3 wherein ~~the operating base station receives a report of service status message from the adjacent base station,~~ the report is a report of a service status message from the adjacent base station and is relayed from a subscriber unit located in the cell served by the serving base station.

5.- 7. (Canceled)

8. (Currently Amended) In a wireless communication system in which remote subscriber units are located in cells, and at least two cells are located adjacent one another, each cell having a base station unit that coordinates communication with remote units located within its respective cell, a method comprising the steps of:

in an operating base station, determining the existence of communications occurring in adjacent cells;

A method as in claim 2, wherein receiving, by the operating base station, receives a report of an expected time of high and low interference transmissions communications from an adjacent base station; and

scheduling transmission of high interference communications associated with a subscriber unit in the cell associated with the operating base station at the expected time of low interference communications in the adjacent cell.

9. (New) A method as claimed in claim 3, wherein transmission scheduling further comprises:
- assigning specific time slots to specific subscriber units; and
 - coordinating allocation of a time slot to a high interference communication in one base station with the allocation of a time slot for a low interference communication in an adjacent base station.
10. (New) A method as claimed in claim 3, wherein the coordinated communications are reverse link signals traveling from the subscriber units towards the base stations.
11. (New) A method as claimed in claim 3, wherein the coordinated communications are forward link signals traveling from the base station towards the subscriber units.
12. (New) A method as claimed in claim 8, further comprising:
- scheduling transmission of low interference communications associated with a subscriber unit in the cell associated with the operating base station at the expected time of high interference transmissions from the adjacent base station.

13. (New) A wireless communication system comprising:

at least two cells located adjacent to one another, each cell having a base station unit that coordinates communication with remote units located within its respective cell;

a communications link for transmitting, to a first base station from a second base station, a report of an expected time of high and low interference communications from an adjacent base station; and

A2 a resource allocator at the first base station for scheduling transmission of high interference communications associated with a subscriber unit in the cell associated with the first base station at the expected time of low interference communications in the adjacent cell.

14. (New) The wireless communication system of claim 13, wherein the communication link is a wire line.
15. (New) The wireless communication system of claim 13, wherein the communication link further comprises a resource allocation station.
16. (New) The wireless communication system of claim 13, wherein the coordinated communications are reverse link signals traveling from the subscriber units towards the first base station.
17. (New) The wireless communications system of claim 13, wherein the coordinated communications are forward link signals traveling from the first base station towards the subscriber units.
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